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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/687,451	10/16/2003	Richard J. Ernst	14303	8743
75	90 03/24/2006		EXAM	INER
LISA M. SOL	TIS		EPPS, TODD	MICHAEL
	L WORKS INC.		ART UNIT	PAPER NUMBER
3600 WEST LAKE AVENUE			AKTONII	FAFER NUMBER
GLENVIEW, IL 60025			3632	

DATE MAILED: 03/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/687,451	ERNST ET AL.				
Office Action Summary	Examiner	Art Unit				
	Todd M. Epps	3632				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was period to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. nely filed the mailing date of this co D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 06 Ja	nuary 2006.					
,	action is non-final.					
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the	e merits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-35 is/are pending in the application.						
4a) Of the above claim(s) 3-7,9-11,13,16-25 an	d 27-30 is/are withdrawn from co	nsideration.				
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1,2,8,12,14,15,26 and 31-35</u> is/are rej	ected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct						
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	IO-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National	Stage			
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F	ate	O-152)			
Paper No(s)/Mail Date	6) U Other:					

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This is the second Office Action **final** for serial number 10/687,451, Rod Hanger For Securing A Rod To A Substrate, filed on October 16, 2003.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

Claims 1-2, 8, 12, 26, and 33-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,758,465 to Logue in view of U.S. Patent No. 4,543,763 to Ernst et al. (Ernst).

Logue '465 discloses a rod hanger (fig. 5) comprising a generally planar mounting portion (24) defining a perimeter edge, and having a hole (52) along extending between a top surface (40) and a bottom surface (44) with the hole extending therebetween, a generally planar rod receiving portion (34) with a top surface (42), a bottom surface (46) and a hole (60) that includes a lip formation (64) disposed thereabout, and a connecting element (36), wherein the planes of the mounting and rod receiving portions are generally parallel, wherein rod receiving portion configured for threadably receiving the rod, wherein the rod hanger defines a unitary body with generally uniform thickness, wherein the hole of the mounting portion is coincident

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along the plane, has a radius and defines a circumference of 360 degrees, wherein the mounting portion has four corners.

However, Logue '465 fails to specifically teach at least four anti-rotation elements on generally planar top surface of the mounting portion plane uniformly spaced from the hole, and wherein four anti-rotation members are configured for penetrating the substrate. Nevertheless, Ernst '763 teaches a mounting portion (fig. 4, 6) with a central hole and four anti-rotation elements (22) disposed about the hole and spaced apart from each other by about 90 degrees along the circumference of the hole and dispose proximate to each of the corners of the mounting portion, and wherein four anti-rotation members are configured for penetrating the substrate (fig. 1). Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the hanger of Logue '465 with four anti-rotation elements disposed about the hole and spaced apart from each other by about 90 degrees along the circumference of the hole and dispose proximate to each of the corners of the mounting portion as in Ernst '763 wherein doing so would provide for superior rotation prevention means.

Claims 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,758,465 to Logue in view of U.S. Patent No. 4,543,763 to Ernst et al. (Ernst), and further in view of U.S. Patent No. 6,205,730 to Hasan et al. (Hasan).

Regarding claims 14-15, Logue'465 in view of Ernst '763 disclose the previous invention failing to specifically teach four anti-rotation elements have a generally

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hemisphered shape. However, Hasan '730 teaches a mounting portion/bracket (fig. 1,3) that mounts against a surface including a central hole (26) along with two hemispherical anti-rotation elements (42) on the top surface of the mounting portion plate uniformly spaced along the plane in a radial direction from the hole. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included rod hanger of Logue '465 in view of Ernst '763 with four anti-rotation elements and the hemispherical anti-rotation elements of Hasan '730 wherein doing so would provide thereof for a more stable hanger by preventing rotation or twisting of the mounting portion during mounting of the fastener through the hole and into a mounting surface. Further regarding claim 15, although the anti-rotation elements of Hasan '730 might not be interpreted as having the shape of a generally truncated cone, it would have been obvious to make the anti-rotation elements of any shapes, so long as they continue to provide the anti-rotation function without puncturing the mounting surface.

Claims 31-32, and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,758,465 to Logue in view of U.S. Patent No. 4,543,763 to Ernst et al. (Ernst), further in view of U.S. Patent No. 6,205,730 to Hasan et al. (Hasan), and further in view of U.S. Patent No. 6,481,680 to Neuman.

Logue '465 in view of Ernst '763, and further in view of Hasan '730 fails to specifically teach wherein at least four anti-rotation members include a resilient cover, is secured by a chemical adhesive, and the resilient cover is formed of a polymer.

Nevertheless, Neuman '680 teaches wherein a bracket is covered with polymer and is

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secured by an adhesive on one side thereof. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included rod hanger of Logue '465 in view of Ernst '763, and further in view of Hasan '730 with the hemispherical anti-rotation elements and to include a polymer cover with an adhesive as taught by Neuman '680 wherein doing so would provide thereof for a protective coating on the anti-rotation members with a superior mounting means for supporting a rod.

Response to Arguments

Applicant's arguments filed January 6, 2006 have been fully considered but they are not persuasive.

In response to applicant's argument that the claims require elements not disclosed or suggested by the references, and the references are not properly combined to teach or suggest all of the claimed requirements. The Examiner clearly disagrees. The applicant will see that the above references combined do in fact teach all of the elements or features.

It is noted that the base reference of Logue '465 with rod hanger have all of the features except for four anti-rotation elements on generally planar top surface of the mounting portion, and wherein at least four anti-rotation elements have a generally hemisphered shape.

Attention is directed to Ernst '763 reference, which teaches a mounting portion (fig. 4, 6) with a central hole and four anti-rotation elements (22) disposed about the

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hole and spaced apart from each other by about 90 degrees along the circumference of the hole and dispose proximate to each of the corners of the mounting portion, and wherein four anti-rotation members are configured for penetrating the substrate (fig. 1). Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the rod hanger of Logue '465 with four anti-rotation elements disposed about the hole and spaced apart from each other by about 90 degrees along the circumference of the hole and dispose proximate to each of the corners of the mounting portion as taught in Ernst '763 wherein doing so as to provide for superior rotation prevention means.

Furthermore, the applicant will see that the references of Logue '465 in view of Ernst '763 fail to teach wherein four anti-rotation elements have a generally hemisphered shape. However, Hasan '730 teaches a mounting portion/bracket that mounts against a surface including a central hole along with two hemispherical anti-rotation elements. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included rod hanger of Logue '465 in view of Ernst '763 with four anti-rotation elements and the hemispherical anti-rotation elements of Hasan '730 wherein doing so would provide thereof for a more stable hanger by preventing rotation or twisting of the mounting portion during mounting of the fastener through the hole and into a mounting surface

The motivation for the obvious rejection as stated above with the combination of references selected by the Examiner to support the obviousness rejection.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Todd M. Epps whose telephone number is 571-272-8282. The examiner can normally be reached on M-F (7:30-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Olszewski can be reached on 571-272-6788. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Todd M. Epps Patent Examiner Art Unit 3632 March 17, 2006

A. Joseph Wujciak
Primary Examiner A. Janh WAR

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